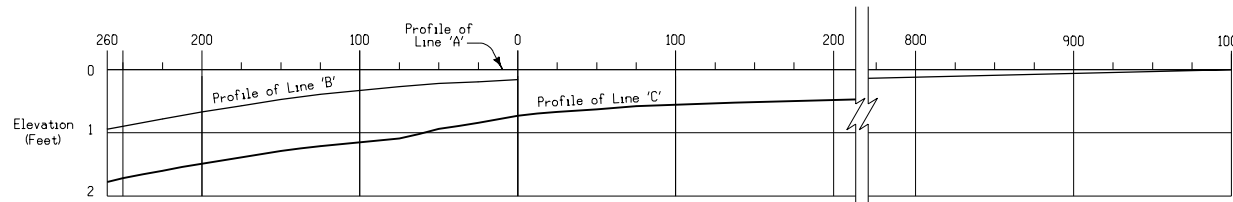


PLAN VIEW



NOTE: The algebraic difference between profile grade for Ramp Base Line at (F) and relative profile grade of Mainline at (H) is 0.5%.

PROFILE

TABLE OF OFFSETS AND DROPS FOR 16' RAMP TAPER

TABLE OF OFFSETS AND DROPS FOR 16' RAMP TAPER																										
DISTANCE FROM POINT	(E) ALONG LINE 'A' (Ft.)	260	250	225	200	175	150	125	100	75	50	25	0	25	50	75	100	125	150	175	200	225	250	260		
FROM LINE 'A' TO LINE 'B'	OFFSET (Ft.)	23.90	22.58	19.49	16.67	14.13	11.87	9.87	8.15	6.71	5.53	4.63	4.0													
	SLOPE (%)	Constant 4.0% Slope												3.57												
	DROP (Ft.)	0.96	0.90	0.78	0.67	0.57	0.47	0.39	0.33	0.27	0.22	0.19	0.16													
FROM LINE 'B' TO LINE 'C'	OFFSET (Ft.)	Constant 16.0' Offset																								
	SLOPE (%)	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10	4.50	4.06	3.57													
	DROP (Ft.)	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.72	0.65	0.57													
FROM LINE 'A' TO LINE 'C'	OFFSET (Ft.)													19.5	19.0	18.5	18.0	16.0	14.0	12.0	10.0	8.0	6.0	4.0	2.0	0.0
	SLOPE (%)													3.44	3.12	3.00	Constant 3.0% Slope									
	DROP (Ft.)	1.78	1.72	1.60	1.49	1.39	1.29	1.21	1.15	1.09	0.94	0.84	0.73	0.67	0.63	0.58	0.54	0.48	0.42	0.36	0.30	0.24	0.18	0.12	0.06	0.00
DISTANCE FROM POINT	(G) ALONG LINE 'C' (Ft.)	258.77	248.76	223.74	198.76	173.80	148.87	123.97	99.08	74.21	49.36	24.52	0.00													

GENERAL NOTES:

This detail sheet shows ramp alignment and grade data for the ramp entrance pavement.

Ramp entrance pavement shall be the same thickness as the mainline pavement. Ramp entrance subbase for both HMA and P.C.C. pavement shall be the same thickness as the mainline subbase.

Ramp entrance pavement area shown by shaded area is 2014 square yards.

In order to assure proper drainage, any special shaping of entrance area between lines A and B shall be accomplished by methods approved by the Engineer.

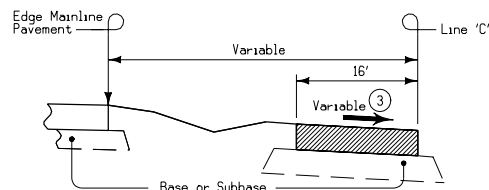
Refer to Detail Sheet 550-5 for jointing layout.

Refer to typical cross sections and appropriate Standard Road Plans for design details and requirements for shoulders.

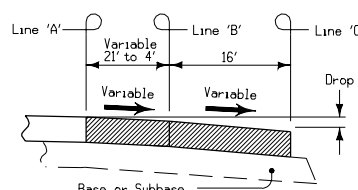
- For header construction details at the beginning of taper, refer to the appropriate Typical 7101 or 7102.
- Refer to detail project plans for ramp alignment, grade, profile and superelevation data.
- The ramp pavement cross slope between point (J) and point (F) is determined by superelevation rotated about line "C". Refer to Standard Road Plan RP-3 and the project plans for superelevation transition requirements.

This design is based on 60 mph design speed at e max = 6%.

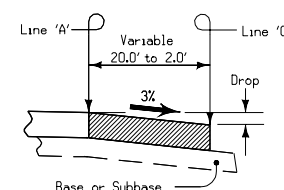
For location equivalent stations see Tabulation 101-15



SECTION A-A



SECTION B-B



SECTION C-C

STANDARD ROAD PLAN	
RV-5	
REVISION: Revise Note 1.	REVISION NO. 2
APPROVED BY: <i>William J. Allen</i> DESIGN/METHODS ENGINEER	REVISION DATE 04-30-02
ACCELERATION TAPER FOR 16' ENTRANCE RAMP	